



Express Mail Lab I: EV074975282US  
Date of Dep stl: April, 30, 2003

Please type a plus sign (+) in this box



RECEIVED

Pag 1 11  
MAY 02 2003

TECH CENTER 1600/2900

|  |                               |                          |
|--|-------------------------------|--------------------------|
| <b>Modified Form 1449/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) | <b>Application Number</b>     | 10/023,597               |
|  | <b>Filing Date</b>            | 12/18/01                 |
|  | <b>First Named Inventor</b>   | Padigaru                 |
|  | <b>Group Art Unit</b>         | 1645                     |
|  | <b>Examiner Name</b>          | Not Yet Assigned         |
|  | <b>Attorney Docket Number</b> | 21402-224AD (Cura-524AD) |

| U.S. PATENT DOCUMENTS |          |                          |            |                                     |       |           |                            |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|----------------------------|
| Exam Initials         | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date If Appropriate |
|                       |          |                          |            |                                     |       |           |                            |

| FOREIGN PATENT DOCUMENTS |          |                                       |  |  |                     |                    |  |
|--------------------------|----------|---------------------------------------|--|--|---------------------|--------------------|--|
| Exam Initials            | Cite No. | Foreign Patent Document Office Number | Name of Patentee(s) or Applicant(s)                  |  | Date of Publication | Translation Yes No |  |
| ML                       | B1       | WO 01/27158                           | Digiscents & Yeda Research and Development Co., LTD. |  | 04/19/2001          |                    |  |
|                          | B2       | WO 01/51632                           | Curagen Corporation                                  |  | 07/19/2001          |                    |  |
|                          | B3       | WO 01/68805                           | Senomyx, Inc.  |  | 09/20/2001          |                    |  |
|                          | B4       | WO 01/87937                           | Incyte Genomics, Inc.                                |  | 11/22/2001          |                    |  |
|                          | B5       | WO 01/90359                           | Incyte Genomics, Inc.                                |  | 11/29/2001          |                    |  |
|                          | B6       | WO 01/98526                           | Senomyx, Inc.  |  | 12/27/2001          |                    |  |
| ML                       | B7       | WO 02/24726                           | Chemcom S.A.   |  | 03/28/2002          |                    |  |

| OTHER PRIOR ART: NON PATENT LITERATURE DOCUMENTS |          |  |  |
|--|----------|--|--|
| Exam Initials                                    | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc. |  |
| ML   | C14      | EMBL Accession No.: AC016787 (12-14-1999).   |  |
|  | C15      | EMBL Accession No.: AL445528 (10-14-2000).   |  |
|  | C16      | EMBL Accession No.: AL606752 (09-15-2001).   |  |
| ML   | C17      | International Search Report for PCT/US 01/48958, mailed January 31, 2003.          |  |

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

|                           |  |                        |          |
|---------------------------|--|------------------------|----------|
| <b>Examiner Signature</b> |  | <b>Date Considered</b> | 11-19-04 |
|---------------------------|--|------------------------|----------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

# RECEIVED

Express Mail Label: EL752686566US

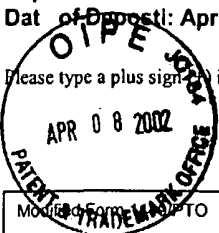
Date of Deposit: April, 8, 2002

Page 1 of 2

APR 15 2002

TECH CENTER 1600/2900

Please type a plus sign (+) in this box



PTO/SB (12-97)

Approved for use through 9/30/00. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |                               |                          |
|---|-------------------------------|--------------------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) | <b>Application Number</b>     | 10/023,597               |
|   | <b>Filing Date</b>            | 12/18/01                 |
|   | <b>First Named Inventor</b>   | Padigaru                 |
|   | <b>Group Art Unit</b>         | 1645                     |
|   | <b>Examiner Name</b>          | Not Yet Assigned         |
|   | <b>Attorney Docket Number</b> | 21402-224AD (Cura-524AD) |

| U.S. PATENT DOCUMENTS |          |                          |            |                                     |       |           |                            |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|----------------------------|
| Exam Initials         | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date If Appropriate |
|                       |          |                          |            |                                     |       |           |                            |

| FOREIGN PATENT DOCUMENTS |          |                                       |  |                                     |                     |                    |  |
|--------------------------|----------|---------------------------------------|--|-------------------------------------|---------------------|--------------------|--|
| Exam Initials            | Cite No. | Foreign Patent Document Office Number |  | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation Yes No |  |
|                          |          |                                       |  |                                     |                     |                    |  |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |          |   |
|---|----------|---|
| Exam Initials                                     | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.  |
| ml  | C1       | Asai et al. (1996). "Genomic structure and transcription of a murine odorant receptor gene: differential initiation of transcription in the olfactory and testicular cells." <i>Biochem Biophys Res Commun</i> 221(2): 240-247. |
|   | C2       | Ben-Arie et al. (1994). "Olfactory receptor gene cluster on human chromosome 17: possible duplication of an ancestral receptor repertoire." <i>Hum Mol Genet</i> 3(2): 229-235.   |
|   | C3       | Buck and Axel (1991). "A novel multigene family may encode odorant receptors: a molecular basis for odor recognition." <i>Cell</i> 65(1): 175-187.  |
|   | C4       | Issel-Tarver and Rine (1996). "Organization and expression of canine olfactory receptor genes." <i>Proc Natl Acad Sci U S A</i> 93(20): 10897-10902.  |
|   | C5       | Krautwurst et al. (1998). "Identification of ligands for olfactory receptors by functional expression of a receptor library." <i>Cell</i> 95(7): 917-926.   |
|   | C6       | Malnic et al. (1999). "Combinatorial receptor codes for odors." <i>Cell</i> 96(5): 713-723.   |
|   | C7       | Online Mendelian Inheritance in Man (OMIM): 164342  |
|   | C8       | Parmentier et al. (1992). "Expression of members of the putative olfactory receptor gene family in mammalian germ cells." <i>Nature</i> 355(6359): 453-455.   |
|   | C9       | Rouquier et al. (1998). "A gene recently inactivated in human defines a new olfactory receptor family in mammals." <i>Hum Mol Genet</i> 7(9): 1337-1345.  |
|   | C10      | Thomas et al. (1996). "Chemoreceptors expressed in taste, olfactory and male reproductive tissues." <i>Gene</i> 178(1-2): 1-5.  |
| ml  | C11      | Vanderhaeghen et al. (1997). "Specific repertoire of olfactory receptor genes in the male germ cells of   |



RECEIVED

APR 15 2002

TECH CENTER 1600/2900

Express Mail Label: EL752686566US  
Date of Deposit: April, 8, 2002

Page 2 of 2

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS |          |  |
|---|----------|--|
| Exam Initials                                     | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.   |
| 1   |          | several mammalian species." <i>Genomics</i> 39(3): 239-246.  |
| JML   | C12      | Walensky et al. (1998). "Two novel odorant receptor families expressed in spermatids undergo 5'-splicing." <i>J Biol Chem</i> 273(16): 9378-9387.      |
| JML   | C13      | Xie et al. (2000). "Characterization of a cluster comprising approximately 100 odorant receptor genes in mouse." <i>Mamm Genome</i> 11(12): 1070-1078. |

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

|                    |                         |                 |          |
|--------------------|-------------------------|-----------------|----------|
| Examiner Signature | <i>Don M. Tachibana</i> | Date Considered | 11-19-04 |
|--------------------|-------------------------|-----------------|----------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.

TRA 1653435v1